

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
|       |      | ((("438") or ("257"))).CLAS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/08/05 11:04 |
|       |      | ((("438") or ("257"))).CLAS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/08/05 10:57 |
|       |      | ((("438") or ("257"))).CLAS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/08/05 10:57 |
|       |      | S74 and (surface with passivat\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/05 10:55 |
|       |      | S74 and (surface with passivat\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/05 10:45 |
|       |      | ((("438") or ("257"))).CLAS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/08/05 10:45 |
|       |      | S75 and nitride   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/05 10:45 |
|       |      | S47 and ((dislocation defect pit) with (fill\$3 passivat\$3 cover\$3 coat\$)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/04 11:04 |

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| S1 | 112  | S5 and ((fill\$3 coat\$ insulat\$3) with dislocation) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 09:09 |
| S2 | 6067 | (438/38).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/03 11:54 |
| S3 | 3088 | (438/22-47).CCLS.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/10 11:04 |
| S4 | 392  | S2 and (light near\$3 emit\$4)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/03 11:55 |
| S5 | 285  | S3 and dislocation                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/03 11:55 |
| S6 | 2    | S4 and nitride  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/03 12:15 |
| S7 | 5    | S5 and (passivat\$3 with dislocation)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/03 12:12 |
|    |      | S5 and (passivat\$3 same dislocation)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/03 12:13 |

|     |      |  |   |    |    |                  |
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| S8  | 68   | S5 and (thread\$3 with dislocation)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/03 12:14 |
| S9  | 25   | S5 and ((fill\$3 coat\$3 insulat\$3) with dislocation)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/03 12:17 |
| S10 | 12   | S5 and ((fill\$3 coat\$3 insulat\$3) near5 dislocation)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/03 12:18 |
| S11 | 5    | ("20010019136"   "6015979"   "6030848"   "6232623"   "6408015").PN. OR ("6764871").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/03 12:23 |
| S12 | 3    | ("20020197825"   "20030183157"   "6579359").PN. OR ("6812051").URPN.                     | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/03 12:24 |
| S13 | 2310 | S2 and nitride   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/03 12:25 |
| S14 | 2009 | S13 and light  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/03 12:25 |
| S15 | 70   | S14 and (thread\$3 with dislocation)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/03 12:25 |
| S16 | 0    | ("2004/0169192").URPN.   | USPAT   | OR | ON | 2005/08/03 13:32 |

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|-----|-------|--|---|----|-----|------------------|
| S17 | 21    | ("4356429"   "4885211"   "5047687"<br>  "5059861"   "5073446"  <br>"5224115"   "5285086"   "5294870"<br>  "5329542"   "5334539"  <br>"5424560"   "5721160"   "5727015"<br>  "5787104"   "5870419"  <br>"6015979"   "6051849"   "6111277"<br>  "6255198"   "6335546").PN. OR<br>("6537839").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/03 13:32 |
| S18 | 6067  | (438/22-47).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/03 13:38 |
| S19 | 115   | S18 and ((fill\$3 coat\$3 cover\$3<br>fix\$3 repair\$3 deposit\$3) with<br>dislocation)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/03 13:39 |
| S20 | 103   | S19 and light  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/03 13:38 |
| S21 | 80    | S20 and nitride  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/03 13:38 |
| S22 | 42    | S18 and ((fill\$3 coat\$3 cover\$3<br>fix\$3 repair\$3 deposit\$3) near5<br>dislocation)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/03 13:39 |
| S23 | 8     | ("4517047"   "4717681"   "4771013"<br>  "5256550"   "5272105"  <br>"5273616").PN. OR ("5500389").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/03 13:44 |
| S24 | 6     | ("20010055324"   "20020168844"  <br>"20030145783"   "4612072"  <br>"6459712"   "6667184").PN. OR<br>("6812496").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/03 13:50 |
| S25 | 20774 | (257/79-103,787-795,617-626).<br>CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/03 14:12 |

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| S26 | 8999 | S25 and (light near3 emit\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/03 14:14 |
| S27 | 8275 | S25 and (light adj emitting)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/03 14:14 |
| S28 | 4162 | S25 and (nitride)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/03 14:14 |
| S29 | 2293 | S27 and (nitride)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/03 14:14 |
| S30 | 450  | S29 and dislocation  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/03 14:15 |
| S31 | 106  | S30 and ((fill\$3 coat\$3 cover\$3<br>fix\$3 repair\$3 deposit\$3 passivat\$3)<br>with dislocation)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/03 14:17 |
| S32 | 27   | S30 and ((fill\$3 coat\$3 cover\$3<br>deposit\$3 passivat\$3) near5<br>dislocation)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/03 14:31 |
| S33 | 16   | ("5185290"   "5798536"   "6051849"<br>  "6110277"   "6121121"  <br>"6146457"   "6153010"   "6255198"<br>  "6265289"   "6274518"  <br>"6319742"   "6329667"   "6355497"<br>  "6365921"   "6380108"  <br>"6693021").PN. OR ("6855620").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/03 14:18 |

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| S34 | 39    | S30 and ((fill\$3 coat\$3 cover\$3 deposit\$3 passivat\$3) near5 (dislocation pit))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/03 14:42 |
| S35 | 0     | ("L3orL10").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/03 14:43 |
| S36 | 25718 | S18 or S25   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 16:23 |
| S37 | 1492  | S36 and (dislocation or pit)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/03 14:43 |
| S38 | 1035  | S37 and light adj emit\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/03 14:44 |
| S39 | 82    | S38 and ((fill\$3 coat\$3 cover\$3 deposit\$3 passivat\$3) near5 (dislocation pit))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/03 14:44 |
| S40 | 16    | ("5185290"   "5798536"   "6051849"   "6110277"   "6121121"   "6146457"   "6153010"   "6255198"   "6265289"   "6274518"   "6319742"   "6329667"   "6355497"   "6365921"   "6380108"   "6693021").PN. OR ("6855620").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/03 14:50 |
| S41 | 9     | ("5091333"   "5895706"   "5927995"   "6010937"   "6015979"   "6281524").PN. OR ("6555846").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/03 14:55 |
| S42 | 9     | ("5272108"   "5874747"   "5877038"   "5930656"   "5977566").PN. OR ("6610144").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/03 14:56 |

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| S43 | 31     | ("5727008"   "6015979"   "6153010").PN. OR ("6316785").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/03 14:58 |
| S44 | 6788   | cree.as. or nichia.as.                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/10 10:49 |
| S45 | 1802   | S44 and light adj emit\$4                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 09:10 |
| S46 | 102    | S44 and dislocation  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 09:37 |
| S47 | 395029 | ((("438") or ("257"))).CLAS.                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/05 09:20 |
| S48 | 813    | S47 and (thread\$3 with dislocation)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 09:41 |
| S49 | 815    | S47 and (thread\$3 with (dislocation or pit))                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 09:42 |
| S50 | 811    | S47 and (thread\$3 near5 (dislocation or pit))               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 09:42 |
| S51 | 807    | S47 and (thread\$3 near3 (dislocation or pit))               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 09:42 |

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| S52 | 120  | S49 and ((fill\$3 coat\$3 cover\$3 deposit\$3 passivat\$3) near5 dislocation)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 09:44 |
| S53 | 0    | ("2004/0067648").URPN.   | USPAT   | OR | ON  | 2005/08/04 10:06 |
| S54 | 24   | ("3729348"   "3862859"   "3963538"   "4370510"   "4632712").PN. OR ("5091333").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/04 10:44 |
| S55 | 4437 | S47 and ((dislocation defect pit) with (fill\$3 passivat\$3 cover\$3 coat\$3))       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 11:05 |
| S56 | 2391 | S47 and ((dislocation defect pit) near5 (fill\$3 passivat\$3 cover\$3 coat\$3))      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 11:06 |
| S57 | 1089 | S47 and ((dislocation defect) near5 (fill\$3 passivat\$3))                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 11:06 |
| S58 | 749  | S47 and ((dislocation defect) near3 (fill\$3 passivat\$3))                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 11:06 |
| S59 | 165  | S47 and (((dislocation defect) near3 (fill\$3 passivat\$3)) with surface)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 11:07 |
| S60 | 2    | ("20020086534"   "6086673").PN. OR ("6699760").URPN.                                 | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/04 11:29 |
| S61 | 6079 | (438/22-47).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/04 16:23 |



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| S62 | 20797 | (257/79-103,787-795,617-626).<br>CCLS.                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/04 16:23 |
| S63 | 25750 | S61 or S62  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 16:23 |
| S64 | 1206  | S63 and (surface with passivat\$3)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 16:24 |
| S65 | 901   | S63 and (surface near5 passivat\$3)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 16:24 |
| S66 | 418   | S65 and nitride   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 16:24 |
| S67 | 269   | S65 and (light adj emit\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 16:24 |
| S68 | 137   | S66 and (light adj emit\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 16:24 |
| S69 | 103   | S67 and (dislocation defect)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/04 16:25 |
| S70 | 6     | ("3890169"   "3969164"  <br>"5262360").PN. OR ("5559058").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/04 16:42 |

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| S71 | 18     | ("4026741"   "4095011"   "4439464"   "4447469"   "4560576"   "4751200"   "4751201").PN. OR ("4920078").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/04 16:44 |
| S72 | 7      | ("4230997"   "4920078"   "5457709"   "5509025").PN. OR ("6463088").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/04 17:04 |
| S73 | 192    | ("6583451" "4891329" "4879250" "4995049" "4551394" "4755867" "4824804" "4956682" "5011785" "5049522" "5577064" "5606572" "5684819" "6160278" "5994188" "6127701" "4318751" "4339767" "4499657" "4892836" "4897698" "4948748" "5001075" "5025304" "5268315" "5496760" "5616512" "5856701" "6204098" "6229179" "6686634" "6875673" "4884119" "5489554" "5656548" "5793115" "5976953" "6001664" "6392256" "6538299" "5472914" "4826784" "5183776" "5300186" "5484664" "5915165" "5978408" "6027957" "6030453" "6208681").pn.<br>("4111725" "4596208" "4766092" "4786616" "5185181" "5201996" "5207864" "5244818" "5258327" "5272114" "5280184" "5286335" "5311533" "5402748" "5448581" "5723360" "5859866" "5923946" "5925897" "5977604" "5985687" "6199748" "6208007" "6221683" "6221683" "6280523" "6320206" "6372356" "6384462" "6420199" "6451711" "6518637" "6583445" "6645829" "6677655" "6680495" "6686257" "6713326" "6746777" "6800500" "4347655" "5627898" "5653801" "5838870" "6078111" "5889315" "5899714" "4416050" "4969022" "5008724").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/05 08:52 |
| S74 | 395029 | ((("438") or ("257"))).CLAS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/05 09:20 |
| S75 | 13098  | S74 and (surface with passivat\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/05 10:44 |

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| S76 | 395258 | ((("438") or ("257"))).CLAS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/09 14:30 |
| S77 | 49392  | S76 and (dislocation defect pit)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/09 13:45 |
| S78 | 21857  | S77 and (surface with (passivat\$3<br>coat\$3 fill\$3 cover\$3))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/09 13:46 |
| S79 | 6267   | S77 and (surface near5 (passivat\$3<br>fill\$3))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/09 13:48 |
| S80 | 12     | S77 and ((surface near5 (passivat\$3<br>fill\$3)) with dislocation)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/09 13:49 |
| S81 | 9      | ("5272108"   "5874747"   "5877038"<br>  "5930656"   "5977566").PN. OR<br>("6610144").URPN.                 | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/09 13:52 |
| S82 | 58     | ("4079506"   "4396460"   "4502914"<br>  "4519128"   "4528047"  <br>"4546538").PN. OR ("4631803").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/09 13:57 |
| S83 | 0      | 438/778,780,787-794  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/09 14:12 |
| S84 | 4440   | (438/778,780,787-794).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/09 14:12 |

|     |        |  |   |    |     |                  |
|-----|--------|--|---|----|-----|------------------|
| S85 | 92     | S84 and dislocation  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/09 14:18 |
| S86 | 604    | S84 and (surface near5 (passivat\$3 fill\$3))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/09 14:18 |
| S87 | 435    | S84 and (surface near3 (passivat\$3 fill\$3))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/09 14:18 |
| S88 | 183    | S87 and (void defect pit dislocation)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/09 14:19 |
| S89 | 174167 | ("438").CLAS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/09 14:31 |
| S90 | 1730   | (438/427).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/09 14:37 |
| S91 | 599    | S90 and nitride  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/09 14:38 |
| S92 | 53     | ("3500139"   "3844858"   "3883948"   "3911562"   "3913124"   "3966501"   "3979237"   "3998673"   "4038110"   "4048649").PN. OR ("4255207").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/09 14:39 |
| S93 | 6089   | (438/22-47).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/09 16:43 |

|          |     |   |   |    |     |                  |
|----------|-----|---|---|----|-----|------------------|
| S94      | 113 | (438/38).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/09 16:43 |
| S95      | 5   | ("4666556"   "5208183"   "5658823"<br>  "5892785"   "6052399").PN. OR<br>("6548319").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/09 16:46 |
| S96      | 9   | ("4862471"   "5403773"   "5563422"<br>  "5578839"   "5583879"  <br>"5776794"   "5895225").PN. OR<br>("6136626").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/09 16:48 |
| S97      | 8   | ("5084894"   "5366927"   "5395791"<br>  "5538918").PN. OR ("5658824").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/09 16:53 |
| S98      | 14  | ("5082799"   "5093225"   "5124279"<br>  "5208183"   "5310697"  <br>"5376581").PN. OR ("5658823").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/10 09:35 |
| S99      | 5   | ("3855112"   "3914465"   "3935083"<br>  "5262360").PN. OR ("5459106").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/09 16:58 |
| S10<br>0 | 23  | ("4046457"   "4047804"   "4178564"<br>  "4560634"   "4563368"  <br>"4653059"   "4713314"   "4751708"<br>  "4753516"   "4766470"  <br>"4796981"   "4868076"   "4932859"<br>  "4939054").PN. OR ("4985370").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/09 16:59 |
| S10<br>1 | 5   | ("4666556"   "5208183"   "5658823"<br>  "5892785"   "6052399").PN. OR<br>("6548319").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/10 09:15 |
| S10<br>2 | 14  | ("5082799"   "5093225"   "5124279"<br>  "5208183"   "5310697"  <br>"5376581").PN. OR ("5658823").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/10 09:33 |
| S10<br>3 | 26  | ("4903088"   "5247533"  <br>"5321713").PN. OR ("5583879").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/10 09:36 |

|          |     |   |                              |    |    |                  |
|----------|-----|---|------------------------------|----|----|------------------|
| S10<br>4 | 323 | ("3566215"   "3593191"   "3655439"<br>  "3658585"   "3704427"  <br>"3705567"   "3737737"   "3747559"<br>  "3793984"   "3819974"  <br>"3853974"   "3941647"   "3948693"<br>  "3963537"   "3965347"  <br>"3974561"   "4020791"   "4062035"<br>  "4098223"   "4102298"  <br>"4108539"   "4113381"   "4133702"<br>  "4140546"   "4154625"  <br>"4170018"   "4261770"   "4351695"<br>  "4404265"   "4410993"  <br>"4423349"   "4505765"   "4521448"<br>  "4531142"   "4568206"  <br>"4596998"   "4599244"   "4599245"<br>  "4604637"   "4615766"  <br>"4647953"   "4656636"   "4661175"<br>  "4670093"   "4682337"  <br>"4683574"   "4722088"   "4740259"<br>  "4742525"   "4744088"  <br>"4746195"   "4763979"   "4768199"<br>  "4792200"   "4792959"  <br>"4818722"   "4829188"   "4835575"<br>  "4841344"   "4845723"  <br>"4855118"   "4859903"   "4864369"<br>  "4869568"   "4890033"  <br>"4904617"   "4904618"   "4907044"<br>  "4907534"   "4911102"  <br>"4918497"   "4929907"   "4944837"<br>  "4945394"   "4946547"  <br>"4947218"   "4959174"   "4960728"<br>  "4966862"   "4971739"  <br>"4977567"   "4982314"   "4985742"<br>  "4987576"   "4990466"  <br>"4990990"   "5005057"   "5006908"<br>  "5008735"   "5008789"  <br>"5019746"   "5023686"   "5027168"<br>  "5034956"   "5041334"  <br>"5042043"   "5045896"   "5049779"<br>  "5061972"   "5065207"  <br>"5065402"   "5077145"   "5093576"<br>  "5119540"   "5120619"  <br>"5122845"   "5128955"   "5146465"<br>  "5155062"   "5171370"  <br>"5182670"   "5184247"   "5185207"<br>  "5200022"   "5202777"  <br>"5205905"   "5208878"   "5210051"<br>  "5218216"   "5229626"  <br>"5233204"   "5239188"   "5247533"<br>  "5250366"   "5252499"   "5252839"   "5260960"   "5264713"<br>  "5266503"   "5270554"  <br>"5272108"   "5278433"   "5281830"<br>  "5290393"   "5306662"  <br>"5312560"   "5323022"   "5330791"<br>  "5334277"   "5336080"  <br>"5338944"   "5341390"   "5343316"<br>  "5344791"   "5359345"  <br>"5363390"   "5366834"   "5369289"<br>  "5376303"   "5376580"  <br>"5381103"   "5382822"   "5389571" | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/08/10 09:43 |
|----------|-----|---|------------------------------|----|----|------------------|

|          |      |  |   |    |    |                  |
|----------|------|--|---|----|----|------------------|
| S10<br>5 | 11   | ("4396929"   "4476620"   "5557115"<br>  "5563422"   "5578839"  <br>"5583879"   "5990500"   "5998810"<br>  "6100103"   "6130446"  <br>"6169363").PN. OR ("6812502").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/10 09:43 |
| S10<br>6 | 29   | ("4370195"   "4569718"   "4617193"<br>  "4635343"   "4640737"  <br>"4855249"   "4911102"   "4946548"<br>  "4985113"   "5034092").PN. OR<br>("5205905").URPN.                 | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/10 10:02 |
| S10<br>7 | 12   | ("5432808"   "5530267"   "5592501"<br>  "5777350").PN. OR ("5889806").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/10 10:29 |
| S10<br>8 | 0    | colemman-william.xa. OR<br>colemman-william.xp.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/10 10:30 |
| S10<br>9 | 0    | william-colemman.xa.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/10 10:30 |
| S11<br>0 | 0    | william-colemman.xp.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/10 10:30 |
| S11<br>1 | 1967 | colemman.xp.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/10 10:30 |
| S11<br>2 | 2974 | colemman.xp. or colemman.xa.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/10 10:30 |
| S11<br>3 | 956  | S112 and william   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/10 10:30 |
| S11<br>4 | 411  | S112 and william.xp.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/10 10:31 |
| S11<br>5 | 0    | william-david-colemman.xp.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/10 10:31 |
| S11<br>6 | 119  | colemman-william-david.xp.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/10 10:32 |
| S11<br>7 | 0    | S116 and nichia.as.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/10 10:32 |
| S11<br>8 | 6797 | cree.as. or nichia.as.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/10 10:50 |

|          |      |   |   |    |     |                  |
|----------|------|---|---|----|-----|------------------|
| S11<br>9 | 25   | S118 and ((dislocation near3 density) with (reduc\$4 low\$3 improv\$4))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/10 10:50 |
| S12<br>0 | 10   | ("20010008656"   "20010022154"   "5456204"   "5780876"   "5868837"   "5928421"   "6067310"   "6156581"   "6177057"   "6372041").PN. OR ("6656615"). URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/10 10:59 |
| S12<br>1 | 6089 | (438/22-47).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/10 11:05 |
| S12<br>2 | 88   | S121 and ((epitaxial adj lateral adj overgrowth) and nitride)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/10 11:05 |
| S12<br>3 | 10   | S122 and (dislocation near3 density) and "10.sup.6"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/10 11:06 |

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